

**ExxonMobil**  
**Refining & Supply Company**  
Global Remediation  
4096 Piedmont Avenue #194  
Oakland, California 94611  
510.547.8196  
510.547.8706 Fax  
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek  
Project Manager

**ExxonMobil**  
*Refining & Supply*

January 27, 2005

Mr. Chris Murray  
Subregional Water Management System  
Industrial Waste Section  
4300 Llano Road  
Santa Rosa, California 95407

**RE: Former Exxon RAS #7-3035/4501 Sonoma Highway, Santa Rosa, California.**

Dear Mr. Murray:

Attached for your review and comment is a copy of the letter report entitled *Laboratory Analysis Results of Groundwater Treatment System*, dated January 27, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details remedial activities for the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,



Jennifer C. Sedlachek  
Project Manager

Attachment: ERI's Laboratory Analysis Results of Groundwater Treatment System, dated January 27, 2005.

cc: w/ attachment  
Ms. Jo Bentz, California Regional Water Quality Control Board, North Coast Region

w/o attachment  
Mr. Robert A. Saur, Environmental Resolutions, Inc.



January 27, 2005  
ERI 200311CM.L48

Ms. Jennifer C. Sedlachek  
ExxonMobil Refining & Supply – Global Remediation  
4096 Piedmont Avenue #194  
Oakland, California 94611

Subject: Laboratory Analysis Results of Groundwater Treatment System, Former Exxon Service Station 7-3035, 4501 Sonoma Highway, Santa Rosa, California

**City of Santa Rosa Industrial User Permit No. SR-GW6100**

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) is submitting this letter to the Santa Rosa Subregional Wastewater Management System as the Quarterly Self Monitoring Report for fourth quarter 2004 for the groundwater treatment system located at 4501 Sonoma Highway, in Santa Rosa, California.

The groundwater treatment system (GRS) operated in compliance with permit conditions during fourth quarter 2004, from September 28, 2004, through December 29, 2004. The GRS extracted, treated, and discharged 38,967 gallons during the reporting period. Samples were collected from the system monthly by ERI and analyzed by a California state-certified laboratory, under Chain-of-Custody protocol, for gasoline constituents including total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) using Environmental Protection Agency (EPA) Method 8015B, and benzene, toluene, ethylbenzene, and total xylenes (BTEX) and fuel oxygenates (including methyl tertiary butyl ether [MTBE]) using EPA Method 8260B. Results of laboratory analyses are attached.

**DOCUMENT DISTRIBUTION**

ERI recommends forwarding a copy of this report to:

Mr. Chris Murray  
Subregional Water Management System  
Industrial Waste Section  
4300 Llano Road  
Santa Rosa, California 95407

Ms. Jo Bentz  
California Regional Water Quality Control Board  
North Coast Region  
5550 Skylane Boulevard, Suite A  
Santa Rosa, California 95403

January 27, 2005

Please contact Mr. Robert A. Saur, ERI's project manager for this site, at (707) 766-2000 with any questions.

Sincerely,  
Environmental Resolutions, Inc.



Corey T. Weiland <sup>For</sup>  
Senior Staff Engineer

**COPY**  


Robert A. Saur  
Project Manager

Attachments: ~ Laboratory Analysis Reports and Chain-of-Custody Records



**Sequoia  
Analytical**

885 Jarvis Drive  
Morgan Hill, CA 95037  
(408) 776-9600  
FAX (408) 782-6308  
www.sequoialabs.com

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18 October, 2004

Corey Weiland  
Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma, CA 94954

RE: Former Exxon 7-3035  
Work Order: MNJ0169

Enclosed are the results of analyses for samples received by the laboratory on 10/06/04 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes  
Project Manager

CA ELAP Certificate #1210

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey WeilandMNJ0169  
Reported:  
10/18/04 12:08**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNJ0169-01	Water	10/05/04 14:00	10/06/04 16:55
W-INT 2	MNJ0169-02	Water	10/05/04 14:30	10/06/04 16:55
W-INT 1	MNJ0169-03	Water	10/05/04 15:00	10/06/04 16:55
W-INF	MNJ0169-04	Water	10/05/04 15:30	10/06/04 16:55

Samples were received at 2.6°C

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiland

MNJ0169  
Reported:  
10/18/04 12:08

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNJ0169-01) Water Sampled: 10/05/04 14:00 Received: 10/06/04 16:55</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		102 %	55-142		"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		102 %	70-130		"	"	"	"	
<b>W-INT 2 (MNJ0169-02) Water Sampled: 10/05/04 14:30 Received: 10/06/04 16:55</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		98 %	55-142		"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		98 %	70-130		"	"	"	"	
<b>W-INT 1 (MNJ0169-03) Water Sampled: 10/05/04 15:00 Received: 10/06/04 16:55</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		102 %	55-142		"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		98 %	70-130		"	"	"	"	



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Morgan Hill, CA 95037  
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FAX (408) 782-6308  
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Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

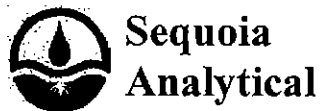
Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiand

MNJ0169  
Reported:  
10/18/04 12:08

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNJ0169-04) Water Sampled: 10/05/04 15:30 Received: 10/06/04 16:55									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4J12021	10/12/04	10/12/04	EPA 8015B/ 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		101 %		55-142	"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		96 %		70-130	"	"	"	"	



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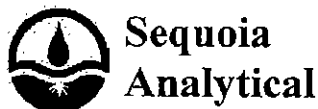
Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiland

MNJ0169  
Reported:  
10/18/04 12:08

**Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNJ0169-01) Water Sampled: 10/05/04 14:00 Received: 10/06/04 16:55</b>									
Diesel Range Organics (C10-C28)	76	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B-SVOA	HC-12, HC-19
Surrogate: n-Octacosane		98 %	23-128		"	"	"	"	
<b>W-INT 2 (MNJ0169-02) Water Sampled: 10/05/04 14:30 Received: 10/06/04 16:55</b>									
Diesel Range Organics (C10-C28)	56	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B-SVOA	HC-12, HC-19
Surrogate: n-Octacosane		111 %	23-128		"	"	"	"	
<b>W-INT 1 (MNJ0169-03) Water Sampled: 10/05/04 15:00 Received: 10/06/04 16:55</b>									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		100 %	23-128		"	"	"	"	
<b>W-INF (MNJ0169-04) Water Sampled: 10/05/04 15:30 Received: 10/06/04 16:55</b>									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4J08005	10/08/04	10/08/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		95 %	23-128		"	"	"	"	





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Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiland

MNJ0169  
Reported:  
10/18/04 12:08

**MTBE by EPA Method 8260B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNJ0169-01) Water Sampled: 10/05/04 14:00 Received: 10/06/04 16:55</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		102 %	78-129		"	"	"	"	
<b>W-INT 2 (MNJ0169-02) Water Sampled: 10/05/04 14:30 Received: 10/06/04 16:55</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/15/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		91 %	78-129		"	"	"	"	
<b>W-INT 1 (MNJ0169-03) Water Sampled: 10/05/04 15:00 Received: 10/06/04 16:55</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		95 %	78-129		"	"	"	"	
<b>W-INF (MNJ0169-04) Water Sampled: 10/05/04 15:30 Received: 10/06/04 16:55</b>									
Methyl tert-butyl ether	0.67	0.50	ug/l	1	4J14002	10/14/04	10/14/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		94 %	78-129		"	"	"	"	



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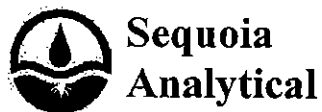
MNJ0169  
Reported:  
10/18/04 12:08

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4J12021 - EPA 5030B [P/T]</b>										
<b>Blank (4J12021-BLK1)</b>					Prepared & Analyzed: 10/12/04					
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	39.9		"	40.0		100	55-142			
Surrogate: 4-Bromofluorobenzene	41.4		"	40.0		104	70-130			
<b>LCS (4J12021-BS1)</b>					Prepared & Analyzed: 10/12/04					
Gasoline Range Organics (C4-C12)	234	50	ug/l	275		85	62-134			
Benzene	5.20	0.50	"	4.00		130	68-140			
Toluene	20.0	0.50	"	20.0		100	76-127			
Ethylbenzene	4.63	0.50	"	4.70		99	77-130			
Xylenes (total)	23.4	0.50	"	22.8		103	78-128			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	39.3		"	40.0		98	55-142			
Surrogate: 4-Bromofluorobenzene	45.0		"	40.0		112	70-130			
<b>Matrix Spike (4J12021-MS1)</b>					Source: MNJ0169-01	Prepared & Analyzed: 10/12/04				
Gasoline Range Organics (C4-C12)	245	50	ug/l	275	ND	89	62-134			
Benzene	5.20	0.50	"	4.00	ND	130	68-140			
Toluene	20.0	0.50	"	20.0	ND	100	76-127			
Ethylbenzene	4.59	0.50	"	4.70	ND	98	77-130			
Xylenes (total)	23.4	0.50	"	22.8	ND	103	78-128			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	40.4		"	40.0		101	55-142			
Surrogate: 4-Bromofluorobenzene	45.6		"	40.0		114	70-130			
<b>Matrix Spike Dup (4J12021-MSD1)</b>					Source: MNJ0169-01	Prepared & Analyzed: 10/12/04				
Gasoline Range Organics (C4-C12)	217	50	ug/l	275	ND	79	62-134	12	41	
Benzene	4.86	0.50	"	4.00	ND	122	68-140	7	30	
Toluene	19.2	0.50	"	20.0	ND	96	76-127	4	30	
Ethylbenzene	4.34	0.50	"	4.70	ND	92	77-130	6	21	
Xylenes (total)	22.1	0.50	"	22.8	ND	97	78-128	6	21	

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



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Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiland

MNJ0169  
Reported:  
10/18/04 12:08

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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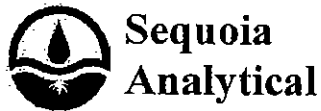
**Batch 4J12021 - EPA 5030B [P/T]**

**Matrix Spike Dup (4J12021-MSD1)**

Source: MNJ0169-01

Prepared & Analyzed: 10/12/04

Surrogate: <i>a,a,a</i> -Trifluorotoluene	36.8		ug/l	40.0		92	55-142			
Surrogate: 4-Bromofluorobenzene	43.4		"	40.0		108	70-130			



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MNJ0169  
Reported:  
10/18/04 12:08

**Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4J08005 - EPA 3510C</b>										
<b>Blank (4J08005-BLK1)</b>										
Prepared & Analyzed: 10/08/04										
Diesel Range Organics (C10-C28)	ND	25	ug/l							
Surrogate: n-Octacosane	42.0		"	50.0		84	23-128			
<b>LCS (4J08005-BS1)</b>										
Prepared & Analyzed: 10/08/04										
Diesel Range Organics (C10-C28)	493	50	ug/l	500		99	35-144			
Surrogate: n-Octacosane	46.3		"	50.0		93	23-128			
<b>LCS Dup (4J08005-BSD1)</b>										
Prepared & Analyzed: 10/08/04										
Diesel Range Organics (C10-C28)	485	50	ug/l	500		97	35-144	2	24	
Surrogate: n-Octacosane	44.2		"	50.0		88	23-128			

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiland

MNJ0169  
Reported:  
10/18/04 12:08

**MTBE by EPA Method 8260B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4J14002 - EPA 5030B P/T</b>										
<b>Blank (4J14002-BLK1)</b>										
Prepared & Analyzed: 10/14/04										
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	5.15		"	5.00		103	78-129			
<b>LCS (4J14002-BS1)</b>										
Prepared & Analyzed: 10/14/04										
Methyl tert-butyl ether	9.73	0.50	ug/l	10.0		97	63-137			
Surrogate: 1,2-Dichloroethane-d4	5.03		"	5.00		101	78-129			
<b>LCS (4J14002-BS2)</b>										
Prepared & Analyzed: 10/14/04										
Methyl tert-butyl ether	9.09	0.50	ug/l	9.92		92	63-137			
Surrogate: 1,2-Dichloroethane-d4	5.20		"	5.00		104	78-129			
<b>LCS Dup (4J14002-BSD1)</b>										
Prepared & Analyzed: 10/14/04										
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137	7	20	
Surrogate: 1,2-Dichloroethane-d4	4.76		"	5.00		95	78-129			
<b>Matrix Spike (4J14002-MS1)</b>										
Source: MNJ0276-01 Prepared & Analyzed: 10/14/04										
Methyl tert-butyl ether	2110	25	ug/l	496	1600	103	63-137			
Surrogate: 1,2-Dichloroethane-d4	4.91		"	5.00		98	78-129			
<b>Matrix Spike Dup (4J14002-MSD1)</b>										
Source: MNJ0276-01 Prepared & Analyzed: 10/14/04										
Methyl tert-butyl ether	2030	25	ug/l	496	1600	87	63-137	4	20	
Surrogate: 1,2-Dichloroethane-d4	4.76		"	5.00		95	78-129			

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey WeilandMNJ0169  
Reported:  
10/18/04 12:08**Notes and Definitions**

HC-19 Discrete peak @ C23.

HC-12 Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

COC WSPA SAMPLES DAYS 2, 7

SEQUOIA ANALYTICAL  
· CHAIN OF CUSTODY

MORGAN HILL  
LATONYA PELT, PROJECT MGR  
PHONE 408/776-9600 FAX 408/782-6303

**ENVIRONMENTAL RESOLUTIONS, INC.**

ROB SAUK, PROJ. MGR. 707-766-2019  
Corey Weiland, ENGINEER 800-382-9105

CONSULTANT NAME ERI

**ADDRESS** 601 North McDowell Boulevard

CITY / STATE / ZIP Petaluma, CA 94954

**CONTACT** Corey Weiland

**PIONE (800) 382-9105**

FAX (707) 789-0414

SANTLER

**SAMPLER SIGNATURE**

PROJECT

FORMER EXXON 7-3035, 4501 Sonoma Hwy., Santa Rosa

P.O.# 4504239018

PROJECT MGR.

**ROD SAUR** **1-800-382-3591**

**EXXONMOBIL™**

JENNIFER SEDLACEK - 1-510-547-8126

## OC DATA

### LEVEL II (STANDARD)

## DRINKING WATER

## WASTE WATER

## OTHER

### ANALYSES REQUESTED

\* Please run TPIId analysis w/stricts gel clean-up

SAMPLE ID	DATE	TIME	# CONT	MATRIX	PRESERVATIVE
-----------	------	------	--------	--------	--------------

[illegible]RELINQUISHED BY:                                          

DATE 10/16/84 TIME 1230

RECEIVED BY:

DATE 10/6/01 TIME 0945

RELINQUISHED BY: 

DATE 10-6-54 TIME 11:00

RECEIVED BY:

DATE 10/6 TIME 210

TEMP 2.6°C

SAMPLE CONTAINERS INTACT? ☒ Y ☐ N

VOA'S FREE OF HEADSPACE? ☒ Y ☐ N

Rev'd: JP 10/6/04 1655

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI (E-ron)  
 REC. BY (PRINT): JD  
 WORKORDER: MP56/69

DATE REC'D AT LAB: 10/6/04  
 TIME REC'D AT LAB: 10:00  
 DATE LOGGED IN: 10-7-04

For Regulatory Purposes?  
 DRINKING WATER YES/NO (NO)  
 WASTE WATER YES/NO (NO)

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERV ATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / <u>Absent</u> Intact / Broken*	61	A.B	W-EFF	11-A-bio	-	-	W	10/3/04	
2. Chain-of-Custody	<u>Present</u> / Absent*	62	CDER	V-INT 2	VOA (4)	hcl	↓	↓	↓	
3. Traffic Reports or Packing List:	Present / <u>Absent</u>	63	1	W-DNT II	Same		↓	↓	↓	
4. Airbill:	Airbill / Sticker: Present / <u>Absent</u>	64	1	W-TNF	Same		↓	↓	↓	
5. Airbill #:										
6. Sample Labels:	<u>Present</u> / Absent									
7. Sample IDs:	<u>Listed</u> / Not Listed on Chain-of-Custody									
8. Sample Condition:	<u>Intact</u> / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	<u>Yes</u> / No*									
10. Sample received within hold time?	<u>Yes</u> / No*									
11. Adequate sample volume received?	<u>Yes</u> / No*									
12. Proper Preservatives used?	<u>Yes</u> / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / <u>No</u> *									
14. Temp Rec. at Lab: Is temp 4 ±2°C?	2.6 <u>Yes</u> / No**									

(Acceptance range for samples requiring thermal pres.)  
 \*\*Exception (if any): METALS / DFF ON ICE  
 or Problem COC

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.





**Sequoia  
Analytical**

885 Jarvis Drive  
Morgan Hill, CA 95037  
(408) 776-9600  
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---

17 November, 2004

Rob Saur  
Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma, CA 94954

RE: Former Exxon 7-3035  
Work Order: MNK0232

Enclosed are the results of analyses for samples received by the laboratory on 11/04/04 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes  
Project Manager

CA ELAP Certificate #1210

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

**MNK0232**  
**Reported:**  
11/17/04 12:38

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNK0232-01	Water	11/02/04 12:00	11/04/04 10:30
W-INT 2	MNK0232-02	Water	11/02/04 12:30	11/04/04 10:30
W-INT 1	MNK0232-03	Water	11/02/04 13:00	11/04/04 10:30
W-INF	MNK0232-04	Water	11/02/04 13:30	11/04/04 10:30

Samples were received at 4.8 °C

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

MNK0232  
Reported:  
11/17/04 12:38

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNK0232-01) Water Sampled: 11/02/04 12:00 Received: 11/04/04 10:30</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		110 %	55-142		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99 %	70-130		"	"	"	"	
<b>W-INT 2 (MNK0232-02) Water Sampled: 11/02/04 12:30 Received: 11/04/04 10:30</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		109 %	55-142		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99 %	70-130		"	"	"	"	
<b>W-INT 1 (MNK0232-03) Water Sampled: 11/02/04 13:00 Received: 11/04/04 10:30</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		108 %	55-142		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	70-130		"	"	"	"	



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Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

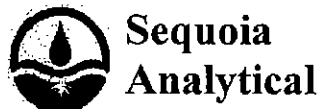
Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

MNK0232  
Reported:  
11/17/04 12:38

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNK0232-04) Water Sampled: 11/02/04 13:30 Received: 11/04/04 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4K12002	11/12/04	11/12/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		108 %		55-142	"	"	"	"	
Surrogate: <i>4</i> -Bromofluorobenzene		100 %		70-130	"	"	"	"	



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Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

MNK0232  
Reported:  
11/17/04 12:38

### Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNK0232-01) Water</b> Sampled: 11/02/04 12:00 Received: 11/04/04 10:30									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		92 %	23-128		"	"	"	"	
<b>W-INT 2 (MNK0232-02) Water</b> Sampled: 11/02/04 12:30 Received: 11/04/04 10:30									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		102 %	23-128		"	"	"	"	
<b>W-INT 1 (MNK0232-03) Water</b> Sampled: 11/02/04 13:00 Received: 11/04/04 10:30									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		108 %	23-128		"	"	"	"	
<b>W-INF (MNK0232-04) Water</b> Sampled: 11/02/04 13:30 Received: 11/04/04 10:30									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4K08002	11/08/04	11/09/04	EPA 8015B-SVOA	
Surrogate: n-Octacosane		98 %	23-128		"	"	"	"	



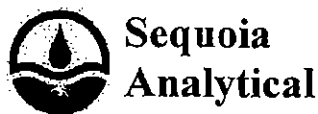
Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

MNK0232  
Reported:  
11/17/04 12:38

**MTBE by EPA Method 8260B  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNK0232-01) Water Sampled: 11/02/04 12:00 Received: 11/04/04 10:30</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		91 %	78-129		"	"	"	"	
<b>W-INT 2 (MNK0232-02) Water Sampled: 11/02/04 12:30 Received: 11/04/04 10:30</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		91 %	78-129		"	"	"	"	
<b>W-INT 1 (MNK0232-03) Water Sampled: 11/02/04 13:00 Received: 11/04/04 10:30</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		90 %	78-129		"	"	"	"	
<b>W-INF (MNK0232-04) Water Sampled: 11/02/04 13:30 Received: 11/04/04 10:30</b>									
Methyl tert-butyl ether	20	0.50	ug/l	1	4K11008	11/11/04	11/11/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		89 %	78-129		"	"	"	"	



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Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

MNK0232  
Reported:  
11/17/04 12:38

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4K12002 - EPA 5030B [P/T]</b>										
<b>Blank (4K12002-BLK1)</b>										
Prepared & Analyzed: 11/12/04										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	44.0		"	40.0		110	55-142			
Surrogate: 4-Bromofluorobenzene	40.0		"	40.0		100	70-130			
<b>LCS (4K12002-BS1)</b>										
Prepared & Analyzed: 11/12/04										
Gasoline Range Organics (C4-C12)	246	50	ug/l	275		89	62-134			
Benzene	4.37	0.50	"	4.00		109	68-140			
Toluene	20.3	0.50	"	20.0		102	76-127			
Ethylbenzene	4.95	0.50	"	4.70		105	77-130			
Xylenes (total)	24.2	0.50	"	22.8		106	78-128			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	42.1		"	40.0		105	55-142			
Surrogate: 4-Bromofluorobenzene	42.9		"	40.0		107	70-130			
<b>Matrix Spike (4K12002-MS1)</b>										
Source: MNK0232-01 Prepared & Analyzed: 11/12/04										
Gasoline Range Organics (C4-C12)	228	50	ug/l	275	ND	83	62-134			
Benzene	3.61	0.50	"	4.00	ND	90	68-140			
Toluene	19.0	0.50	"	20.0	ND	95	76-127			
Ethylbenzene	4.54	0.50	"	4.70	ND	97	77-130			
Xylenes (total)	22.6	0.50	"	22.8	ND	99	78-128			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	42.4		"	40.0		106	55-142			
Surrogate: 4-Bromofluorobenzene	42.5		"	40.0		106	70-130			
<b>Matrix Spike Dup (4K12002-MSD1)</b>										
Source: MNK0232-01 Prepared & Analyzed: 11/12/04										
Gasoline Range Organics (C4-C12)	212	50	ug/l	275	ND	77	62-134	7	41	
Benzene	3.40	0.50	"	4.00	ND	85	68-140	6	30	
Toluene	17.7	0.50	"	20.0	ND	88	76-127	7	30	
Ethylbenzene	4.25	0.50	"	4.70	ND	90	77-130	7	21	
Xylenes (total)	21.3	0.50	"	22.8	ND	93	78-128	6	21	

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



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Morgan Hill, CA 95037  
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Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

MNK0232  
Reported:  
11/17/04 12:38

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4K12002 - EPA 5030B [P/T]**

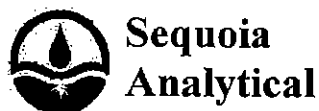
**Matrix Spike Dup (4K12002-MSD1)**

Source: MNK0232-01

Prepared & Analyzed: 11/12/04

Surrogate: <i>a,a,a</i> -Trifluorotoluene	42.1		ug/l	40.0		105	55-142			
Surrogate: 4-Bromofluorobenzene	42.8		"	40.0		107	70-130			





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Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

MNK0232  
Reported:  
11/17/04 12:38

**Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4K08002 - EPA 3510C</b>									
<b>Blank (4K08002-BLK1)</b>									
					Prepared & Analyzed: 11/08/04				
Diesel Range Organics (C10-C28)	ND	25	ug/l						
Surrogate: n-Octacosane	42.7		"	50.0		85	23-128		
<b>LCS (4K08002-BS1)</b>									
					Prepared & Analyzed: 11/08/04				
Diesel Range Organics (C10-C28)	384	50	ug/l	500		77	35-144		
Surrogate: n-Octacosane	44.0		"	50.0		88	23-128		
<b>LCS Dup (4K08002-BSD1)</b>									
					Prepared & Analyzed: 11/08/04				
Diesel Range Organics (C10-C28)	390	50	ug/l	500		78	35-144	2	24
Surrogate: n-Octacosane	40.5		"	50.0		81	23-128		

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob Saur

**MNK0232**  
**Reported:**  
11/17/04 12:38

### MTBE by EPA Method 8260B - Quality Control

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4K11008 - EPA 5030B P/T</b>										
<b>Blank (4K11008-BLK1)</b>										
Prepared & Analyzed: 11/11/04										
Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	4.67		"	5.00		93	78-129			
<b>LCS (4K11008-BS1)</b>										
Prepared & Analyzed: 11/11/04										
Methyl tert-butyl ether	9.32	0.50	ug/l	10.0		93	63-137			
Surrogate: 1,2-Dichloroethane-d4	4.64		"	5.00		93	78-129			
<b>LCS (4K11008-BS2)</b>										
Prepared & Analyzed: 11/11/04										
Methyl tert-butyl ether	8.55	0.50	ug/l	9.92		86	63-137			
Surrogate: 1,2-Dichloroethane-d4	4.74		"	5.00		95	78-129			
<b>LCS Dup (4K11008-BSD1)</b>										
Prepared & Analyzed: 11/11/04										
Methyl tert-butyl ether	9.36	0.50	ug/l	10.0		94	63-137	0.4	20	
Surrogate: 1,2-Dichloroethane-d4	4.54		"	5.00		91	78-129			
<b>Matrix Spike (4K11008-MS1)</b>										
Source: MNK0314-02 Prepared & Analyzed: 11/11/04										
Methyl tert-butyl ether	173	10	ug/l	198	3.0	86	63-137			
Surrogate: 1,2-Dichloroethane-d4	4.54		"	5.00		91	78-129			
<b>Matrix Spike Dup (4K11008-MSD1)</b>										
Source: MNK0314-02 Prepared: 11/11/04 Analyzed: 11/12/04										
Methyl tert-butyl ether	167	10	ug/l	198	3.0	83	63-137	4	20	
Surrogate: 1,2-Dichloroethane-d4	4.08		"	5.00		82	78-129			

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Rob SaurMNK0232  
**Reported:**  
11/17/04 12:38**Notes and Definitions**

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME:

ERI (Ex-7-3035)

REC. BY (PRINT)

JD

WORKORDER:

MPK6232

DATE REC'D AT LAB:

11/4/04

TIME REC'D AT LAB:

1030

DATE LOGGED IN:

11-5-04

For Regulatory Purposes?

DRINKING WATER YES/NO

WASTE WATER YES/NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERV ATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*	41		W-EFF ↓	11 Amber (2) VOA (4)	— HCL	— ↓	W ↓	11/2/04 ↓	
2. Chain-of-Custody	Present / Absent*	62		W-INT 2	Sample					
3. Traffic Reports or Packing List:	Present / Absent	03		↓ - ↓ 1						
4. Airbill:	Airbill / Sticker Present / Absent	07		W-INT						
5. Airbill #:										
6. Sample Labels:	Present / Absent									
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody									
8. Sample Condition:	Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*									
10. Sample received within hold time?	Yes / No*									
11. Adequate sample volume received?	Yes / No*									
12. Proper Preservation used?	Yes / No*									
13. Trip Blank / Temp Blank Received?	Yes / No*									
14. Temp Rec. at Lab:	Yes / No**									
Is temp 4 ± 2°C?										
(Acceptance range for samples requiring thermal pres.)										
Exception (if any): METALS / OFF ON ICE										
Problem COC										

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.



22 December, 2004

Corey Weiland  
Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma, CA 94954

RE: Former Exxon 7-3035  
Work Order: MNL0340

Enclosed are the results of analyses for samples received by the laboratory on 12/09/04 19:10. The samples arrived at a temperature of 2 C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes  
Project Manager

CA ELAP Certificate #1210

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey WeiandMNL0340  
Reported:  
12/22/04 18:07**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-EFF	MNL0340-01	Water	12/08/04 12:00	12/09/04 19:10
W-INT 2	MNL0340-02	Water	12/08/04 12:30	12/09/04 19:10
W-INT 1	MNL0340-03	Water	12/08/04 13:00	12/09/04 19:10
W-INF	MNL0340-04	Water	12/08/04 13:30	12/09/04 19:10

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiland

MNL0340  
Reported:  
12/22/04 18:07

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNL0340-01) Water Sampled: 12/08/04 12:00 Received: 12/09/04 19:10</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		110 %	55-142		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94 %	70-130		"	"	"	"	
<b>W-INT 2 (MNL0340-02) Water Sampled: 12/08/04 12:30 Received: 12/09/04 19:10</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		110 %	55-142		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93 %	70-130		"	"	"	"	
<b>W-INT 1 (MNL0340-03) Water Sampled: 12/08/04 13:00 Received: 12/09/04 19:10</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		109 %	55-142		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92 %	70-130		"	"	"	"	





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Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiland

MNL0340  
Reported:  
12/22/04 18:07

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-INF (MNL0340-04) Water Sampled: 12/08/04 13:30 Received: 12/09/04 19:10									
Gasoline Range Organics (C4-C12)	110	50	ug/l	1	4L15002	12/15/04	12/15/04	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	1.3	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	55-142		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95 %	70-130		"	"	"	"	

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MNL0340  
Reported:  
12/22/04 18:07

**Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNL0340-01) Water</b> Sampled: 12/08/04 12:00 Received: 12/09/04 19:10									
Diesel Range Organics (C10-C28)	ND	48	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: <i>n</i> -Octacosane		98 %	23-128		"	"	"	"	
<b>W-INT 2 (MNL0340-02) Water</b> Sampled: 12/08/04 12:30 Received: 12/09/04 19:10									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: <i>n</i> -Octacosane		101 %	23-128		"	"	"	"	
<b>W-INT 1 (MNL0340-03) Water</b> Sampled: 12/08/04 13:00 Received: 12/09/04 19:10									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: <i>n</i> -Octacosane		97 %	23-128		"	"	"	"	
<b>W-INF (MNL0340-04) Water</b> Sampled: 12/08/04 13:30 Received: 12/09/04 19:10									
Diesel Range Organics (C10-C28)	ND	49	ug/l	1	4L14007	12/14/04	12/15/04	EPA 8015B-SVOA	
Surrogate: <i>n</i> -Octacosane		96 %	23-128		"	"	"	"	

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954

Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey Weiland

MNL0340  
Reported:  
12/22/04 18:07

**MTBE by EPA Method 8260B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-EFF (MNL0340-01) Water Sampled: 12/08/04 12:00 Received: 12/09/04 19:10</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L21006	12/21/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		100 %	78-129		"	"	"	"	
<b>W-INT 2 (MNL0340-02) Water Sampled: 12/08/04 12:30 Received: 12/09/04 19:10</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L21006	12/21/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		101 %	78-129		"	"	"	"	
<b>W-INT 1 (MNL0340-03) Water Sampled: 12/08/04 13:00 Received: 12/09/04 19:10</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	4L20006	12/20/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		100 %	78-129		"	"	"	"	
<b>W-INF (MNL0340-04) Water Sampled: 12/08/04 13:30 Received: 12/09/04 19:10</b>									
Methyl tert-butyl ether	100	2.5	ug/l	5	4L20006	12/20/04	12/21/04	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		102 %	78-129		"	"	"	"	

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MNL0340  
Reported:  
12/22/04 18:07

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4L15002 - EPA 5030B [P/T]</b>										
<b>Blank (4L15002-BLK1)</b>					Prepared & Analyzed: 12/15/04					
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	44.2		"	40.0		110	55-142			
Surrogate: 4-Bromofluorobenzene	37.5		"	40.0		94	70-130			
<b>LCS (4L15002-BS1)</b>					Prepared & Analyzed: 12/15/04					
Gasoline Range Organics (C4-C12)	250	50	ug/l	275		91	62-134			
Benzene	4.04	0.50	"	4.00		101	68-140			
Toluene	20.5	0.50	"	20.0		102	76-127			
Ethylbenzene	4.83	0.50	"	4.70		103	77-130			
Xylenes (total)	24.2	0.50	"	22.8		106	78-128			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	44.1		"	40.0		110	55-142			
Surrogate: 4-Bromofluorobenzene	40.3		"	40.0		101	70-130			
<b>Matrix Spike (4L15002-MS1)</b>					Source: MNL0340-01	Prepared & Analyzed: 12/15/04				
Gasoline Range Organics (C4-C12)	230	50	ug/l	275	ND	84	62-134			
Benzene	3.59	0.50	"	4.00	ND	90	68-140			
Toluene	18.4	0.50	"	20.0	ND	92	76-127			
Ethylbenzene	4.35	0.50	"	4.70	ND	93	77-130			
Xylenes (total)	21.8	0.50	"	22.8	ND	96	78-128			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	42.2		"	40.0		106	55-142			
Surrogate: 4-Bromofluorobenzene	40.5		"	40.0		101	70-130			
<b>Matrix Spike Dup (4L15002-MSD1)</b>					Source: MNL0340-01	Prepared & Analyzed: 12/15/04				
Gasoline Range Organics (C4-C12)	221	50	ug/l	275	ND	80	62-134	4	41	
Benzene	3.45	0.50	"	4.00	ND	86	68-140	4	30	
Toluene	17.6	0.50	"	20.0	ND	88	76-127	4	30	
Ethylbenzene	4.13	0.50	"	4.70	ND	88	77-130	5	21	
Xylenes (total)	20.9	0.50	"	22.8	ND	92	78-128	4	21	

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
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Project: Former Exxon 7-3035  
Project Number: 7-3035  
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MNL0340  
Reported:  
12/22/04 18:07

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4L15002 - EPA 5030B [P/T]**
**Matrix Spike Dup (4L15002-MSD1)**
**Source: MNL0340-01**
**Prepared & Analyzed: 12/15/04**

Surrogate: <i>a,a,a-Trifluorotoluene</i>	42.5		ug/l	40.0		106	55-142			
Surrogate: <i>4-Bromofluorobenzene</i>	39.6		"	40.0		99	70-130			



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Project: Former Exxon 7-3035  
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MNL0340  
Reported:  
12/22/04 18:07

**Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
<b>Batch 4L14007 - EPA 3510C</b>								
<b>Blank (4L14007-BLK1)</b>								
					Prepared: 12/14/04 Analyzed: 12/15/04			
Diesel Range Organics (C10-C28)	ND	25	ug/l					
Surrogate: n-Octacosane	47.1		"	50.0		94	23-128	
<b>LCS (4L14007-BS1)</b>								
					Prepared: 12/14/04 Analyzed: 12/15/04			
Diesel Range Organics (C10-C28)	471	50	ug/l	500		94	35-144	
Surrogate: n-Octacosane	44.9		"	50.0		90	23-128	
<b>LCS Dup (4L14007-BSD1)</b>								
					Prepared: 12/14/04 Analyzed: 12/15/04			
Diesel Range Organics (C10-C28)	485	50	ug/l	500		97	35-144	3 24
Surrogate: n-Octacosane	46.0		"	50.0		92	23-128	

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MNL0340  
Reported:  
12/22/04 18:07

**MTBE by EPA Method 8260B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4L20006 - EPA 5030B Modified</b>									
<b>Blank (4L20006-BLK1)</b>					Prepared & Analyzed: 12/20/04				
Methyl tert-butyl ether	ND	0.25	ug/l						
Surrogate: 1,2-Dichloroethane-d4	2.57		"	2.50		103	78-129		
<b>LCS (4L20006-BS1)</b>					Prepared & Analyzed: 12/20/04				
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137		
Surrogate: 1,2-Dichloroethane-d4	2.28		"	2.50		91	78-129		
<b>LCS (4L20006-BS2)</b>					Prepared & Analyzed: 12/20/04				
Methyl tert-butyl ether	8.65	0.50	ug/l	9.92		87	63-137		
Surrogate: 1,2-Dichloroethane-d4	2.39		"	2.50		96	78-129		
<b>LCS Dup (4L20006-BSD2)</b>					Prepared & Analyzed: 12/20/04				
Methyl tert-butyl ether	8.82	0.50	ug/l	9.92		89	63-137	2	20
Surrogate: 1,2-Dichloroethane-d4	2.32		"	2.50		93	78-129		
<b>Matrix Spike (4L20006-MS1)</b>					Source: MNL0340-04	Prepared & Analyzed: 12/20/04			
Methyl tert-butyl ether	149	2.5	ug/l	50.0	100	98	63-137		
Surrogate: 1,2-Dichloroethane-d4	2.35		"	2.50		94	78-129		
<b>Matrix Spike Dup (4L20006-MSD1)</b>					Source: MNL0340-04	Prepared & Analyzed: 12/20/04			
Methyl tert-butyl ether	152	2.5	ug/l	50.0	100	104	63-137	2	20
Surrogate: 1,2-Dichloroethane-d4	2.39		"	2.50		96	78-129		
<b>Batch 4L21006 - EPA 5030B Modified</b>									
<b>Blank (4L21006-BLK1)</b>					Prepared & Analyzed: 12/21/04				
Methyl tert-butyl ether	ND	0.25	ug/l						
Surrogate: 1,2-Dichloroethane-d4	2.31		"	2.50		92	78-129		

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MNL0340  
Reported:  
12/22/04 18:07

**MTBE by EPA Method 8260B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4L21006 - EPA 5030B Modified</b>									
<b>LCS (4L21006-BS1)</b>					Prepared & Analyzed: 12/21/04				
Methyl tert-butyl ether	10.4	0.50	ug/l	10.0		104	63-137		
Surrogate: 1,2-Dichloroethane-d4	2.29		"	2.50		92	78-129		
<b>LCS (4L21006-BS2)</b>					Prepared & Analyzed: 12/21/04				
Methyl tert-butyl ether	8.28	0.50	ug/l	9.92		83	63-137		
Surrogate: 1,2-Dichloroethane-d4	2.38		"	2.50		95	78-129		
<b>LCS Dup (4L21006-BSD2)</b>					Prepared & Analyzed: 12/21/04				
Methyl tert-butyl ether	8.00	0.50	ug/l	9.92		81	63-137	3	20
Surrogate: 1,2-Dichloroethane-d4	2.48		"	2.50		99	78-129		
<b>Matrix Spike (4L21006-MS1)</b>					Source: MNL0316-07	Prepared & Analyzed: 12/21/04			
Methyl tert-butyl ether	778	25	ug/l	500	300	96	63-137		
Surrogate: 1,2-Dichloroethane-d4	2.34		"	2.50		94	78-129		
<b>Matrix Spike Dup (4L21006-MSD1)</b>					Source: MNL0316-07	Prepared & Analyzed: 12/21/04			
Methyl tert-butyl ether	786	25	ug/l	500	300	97	63-137	1	20
Surrogate: 1,2-Dichloroethane-d4	2.45		"	2.50		98	78-129		



Environmental Resolutions (Exxon)  
601 North McDowell Blvd.  
Petaluma CA, 94954Project: Former Exxon 7-3035  
Project Number: 7-3035  
Project Manager: Corey WeilandMNL0340  
Reported:  
12/22/04 18:07**Notes and Definitions**

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

ROB SAUR, PROJ. MGR.  
Corey Wciand, ENGINEER

707-766-2019  
800-382-9105

**SAMPLER SIGNATURE**

OTHER	X
-------	---

ML0340

[illegible]

OFF

VOA'S FREE OF HEADSPACE? Y N

W.A. ~~Mc~~ 12/9/04 1910

ZK m.H. 02-9-04 19:10

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI  
 REC. BY (PRINT) L Pawlak  
 WORKORDER: MDL 6340

DATE REC'D AT LAB: 12-9-04  
 TIME REC'D AT LAB: 19:10  
 DATE LOGGED IN: 12-11-04

For Regulatory Purposes?  
 DRINKING WATER YES / NO  
 WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERV ATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / <u>Absent</u> Intact / Broken*	01		W-EFF	004	HCL			12-8-04	
2. Chain-of-Custody	<u>Present</u> / Absent*	02		W-INT2	1 Amber-2					
3. Traffic Reports or Packing List:	Present / <u>Absent</u>	03		W-INT2	Replicate	Replica				
4. Airbill:	Airbill / Sticker Present / <u>Absent</u>	04		W-INF						
5. Airbill #:										
6. Sample Labels:	<u>Present</u> / Absent									
7. Sample IDs:	<u>Listed</u> / Not Listed on Chain-of-Custody									
8. Sample Condition:	<u>Intact</u> / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels, agree?	<u>Yes</u> / No*									
10. Sample received within hold time?	<u>Yes</u> / No*									
11. Adequate sample volume received?	<u>Yes</u> / No*									
12. Proper Preservatives used?	<u>Yes</u> / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / <u>No</u>									
14. Temp Rec. at Lab: Is temp 4 +/- 2°C?	<u>22°C</u> Yes / No**									

(Acceptance range for samples requiring thermal pres.)  
 \*\*Exception (If any): METALS / DFF ON ICE  
 or Problem COC

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.